Exhibit 54

UNITED STATES DISTRICT COURT DISTRICT OF NEW JERSEY

IN RE JOHNSON & JOHNSON TALCUM POWDER PRODUCT MARKETING, SALES PRACTICES AND PRODUCTS LIABILITY LITIGATION

This Document Relates to All Cases

Civil Action No. 3:16-md-2738- MAS-RLS

MDL No. 2738

ADENDUM TO THE EXPERT REPORT OF BERNARD L. HARLOW, Ph.D.

May 28, 2024

Bernard L Harlow Digitally signed by Bernard L Harlow Date: 2024.05.28 11:51:22 -

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Bernard L. Harlow, Ph.D.

Expert Report Addendum Bernard L Harlow, Ph.D.

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May 28, 2024

The recent publication of a reanalysis of the Sister Cohort Study¹ warrants a supplemental report to assess how these newly published findings align with previous studies that have assessed the talc and ovarian cancer association.

The initial analysis from the Sister Study published in 2016 found no association with any use of talc over the past 12 months. However, in my review of that paper, inadequate and limited exposure assessment, and the exclusion of talc exposure in women who had previously been diagnosed with ovarian cancer prior to study enrollment, undermined the credibility of these findings.

In this new publication, O'Brien and colleagues expanded on previous analyses with newly added cases of ovarian cancer, and new data on lifetime use of talc applied to the genital area obtained over a three-year follow-up period between 2017 and 2019. The authors recognized the potential for misclassification of talc exposure due to some of the original cohort participants being unable to complete the follow up assessments. Thus, they conducted a Quantitative Bias Analysis (QBA) to assess how associations are altered under various missing data scenarios in terms of direction, magnitude, and uncertainty.² QBA is a well-accepted practice in the field of epidemiology.3 The authors followed that up with multiple imputation to correct for missing talc information in this most recent follow-up assessment. This methodological approach has been used for decades and is well accepted within the statistical field.⁴ Finally, the authors evaluated the impact of recall bias by recoding a proportion of those with ovarian cancer who reported short term talc as non-exposed, and a proportion of non-cases classified as non-talc users as infrequent talc users. This type of sensitivity analysis determines how different values of an independent exposure affects a particular outcome under a given set of assumptions.

Using this much improved exposure assessment and a larger number of ovarian cancer outcomes, the authors reported a risk ratio of 1.17 (95%CI 0.92-1.49) for any use of perineal talc under the assumption that all unexposed women at enrollment with missing follow-up data remained as unexposed. They also reported a risk ratio of 3.34 (95%CI 2.51-4.44) for any use of perineal talc *under the assumption* that all unexposed women at enrollment *with* missing follow-up data were in fact exposed during follow-up. Thus, taking into account missing follow-up data, the true risk would likely fall somewhere in between these two

O'Brien KM, et al. Cancer Prev Control 2024; DOI https://doi.org/10.1200/JCO.23.02037

²Petersen JM, Ranker LR, Barnard-Mayers R, MacLehose RF, Fox MP. A systematic review of quantitative bias analysis applied to epidemiological research. Int J Epidemiol. 2021 Nov 10;50(5):1708-1730. doi: 10.1093/ije/dyab061. PMID: 33880532.

³Fox MP, Lash TL. Quantitative bias analysis for study and grant planning. Ann Epidemiol. 2020 Mar;43:32-36. doi: 10.1016/j.annepidem.2020.01.013. Epub 2020 Feb 11. PMID: 32113733.

⁴ Rubin D: Multiple Imputation for Nonresponse in Surveys. New York, NY, John Wiley & Sons, 1987.

estimates of 1.17 and 3.34. After using multiple imputation to approximate exposure in women with missing data and estimate where that risk might fall within the range of 1.17 and 3.34, the authors reported a risk ratio of 1.82 for ever use of perineal talc with a 95% confidence interval 1.36-2.43.

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The authors then corrected that 1.82 risk ratio for any use of talc, taking into consideration a recall bias-correction and reported a risk ratio of 1.40 (95%CI 1.04-1.89). This risk estimate is similar to what many earlier studies have reported. However, this recall bias-corrected estimate increased to 1.81 (95%CI 1.29-2.53) for "frequent use" and 2.01 (95%CI 1.39-2.91) for "long term" use. Thus, the authors concluded they "found evidence supporting a positive association" with "increasing dose response patterns for both frequency and duration of use." Although the authors state that they cannot rule out the presence of unmeasured confounding, any confounding event or exposure would have had to occur before the first onset of talc exposure, and, would have to be associated with an increased risk of ovarian cancer as well. In addition, the magnitude of that confounding factor on the talc and ovarian cancer association would need to be sufficient to offset the observed talc and ovarian cancer association present in this analysis. Thus, unmeasured confounding is highly unlikely to have any impact on these findings.

In an accompanying editorial, Harris et al⁵ recognized talc as a modifiable exposure and that women should be informed of its potential risk for ovarian cancer. More than 30 years ago, my colleagues and I made the same recommendation. The unique approach in this study to employ the well-accepted methods of QBA to address the potential for misclassification of talc use, and the sensitivity analyses to consider how recall bias could have impacted the risk estimates, addresses concerns raised in previous studies. Thus, this new analysis adds more evidence to an already large number of studies consistently showing that perineal exposure to talc can cause ovarian cancer.

⁵ Harris HN, et al. Cancer Prev Control 2024; DOI https://doi.org/10.1200/JCO.24.00602

EXHIBIT A Curriculum Vitae of Bernard Harlow, PhD

CURRICULUM VITAE

DATE: July 2023

Name: Bernard Leslie Harlow

Home Address: 180 Winch Street

Framingham, MA 01701

Office Address: 715 Albany Street, T424E

Boston University School of Public Health

Boston, MA 02118

Phone: (612) 638-6736 **Email:** harlow@bu.edu

Education:

1975	B.S.	University of Rhode Island
1977	M.P.H.	University of Minnesota
1987	PH.D.	University of Washington

Professional Experience:

1987-1989	Instructor in Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School, Boston, MA
1987-2005	Clinical Epidemiologist, Brigham and Women's Hospital Boston, MA
1989-1996	Assistant Professor of Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School, Boston, MA
1990-2005	Co-Director, Obstetrics and Gynecology Epidemiology Center, Brigham and Women's Hospital, Boston, MA
1996-2005	Associate Professor of Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School, Boston, MA
1999-2005	Associate Professor in the Department of Epidemiology, Harvard School of Public Health, Boston, MA
2005-2015	Mayo Professor, Division of Epidemiology and Community Health, University of Minnesota, Minneapolis, MN
2005-2014	Chair, Division of Epidemiology and Community Health, University of Minnesota, Minneapolis, MN

Case 3:16-m	id-02738-MAS-RLS Document 33130-54 Filed 08/22/24 Page 7 of 35 PageID: 247040
2005-2014	Adjunct Professor of Epidemiology, Harvard School of Public Health, Boston, MA
2006-2015	Adjunct Associate Professor, Department of Obstetrics, Gynecology and women's Health, University of Minnesota Medical School
2012-2015	Research Director, Building Interdisciplinary Research Careers in Women's Health (BIRWCH)
2013-2015	Associate Director, Populations and Community Engagement, Clinical and Translational Science Institute, University of Minnesota
2015-Present	Professor of Epidemiology. Boston University School of Public Health
2015-Present	Adjunct Mayo Professor, Division of Epidemiology and Community Health, University of Minnesota, Minneapolis, MN
Honors and Awa	ards:
2003	Nominated for Mary Horrigan Connors Award for Outstanding Leadership in Women's Health, Brigham and Women's Hospital / Harvard Medical School
2004	Nominated for Mary Horrigan Connors Award for Outstanding Leadership in Women's Health, Brigham and Women's Hospital / Harvard Medical School
2005	Mayo Professor of Public Health, University of Minnesota School of Public Health
2011	Gaylord W. Anderson Leadership Award, University of Minnesota School of Public Health
2015-18	President-elect, President, Past-President, Society for Epidemiologic Research
2020	BUSPH Excellence in Research Mentoring Award
Governmental a	and External Committee Assignments
1999	Cancer Prevention Research Centers Grant Review Committee, Member, Center for Disease Control
2001	2001 Cancer Conference Planning Committee, Member, Center for Disease Control
2002-2005	Human Subjects Research Committee, Member, Brigham and Women's Hospital
2002-2005	Women's Health Advisory Council, Member, Pharmaceutical Industry Trade Organization

2002-2005

Education and Research Development Committee, Member, Brigham and Women's Hospital

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2002	Cancer Prevention Research Centers Grant Review Committee, Member, Center for Disease Control
2004-2005	Expanding the Boundaries Funding Committee, Department of Obstet Gynecol, Member, Brigham and Women's Hospital
2004-Present	Scientific Advisory Board, Member, National Vulvodynia Association
2004	Quadrennial Site Visit Evaluation Committee for NICHD, Member, National Institutes of Health
2005	NIH-CSR Reproductive Epidemiology Study Section, Member, National Institutes of Health
2005-2006	Advisory Board of Connors Center for Women's Health & Gender Biology, Member, Brigham and Women's Hospital
2005	Special Emphasis Panel, Reproductive Health Research, Member, Center for Disease Control
2005-2006	Institute of Medicine National Research Council Committee on Assessing the Medical Risks of Human Oocyte Donation for Stem Cell Research
2006	NIH Infectious Disease, Reproductive Health, Asthma and Pulmonary (IRAP) Conditions Study Section
2008	Nominated as permanent member: NIH Infectious Disease, Reproductive Health, Asthma and Pulmonary (IRAP) Conditions Study Section
2009-2014	Member of the Board of Scientific Counselors for Clinical Sciences and Epidemiology of the National Cancer Institute
2011-2013	Chair, NIH Infectious Disease, Reproductive Health, Asthma and Pulmonary (IRAP) Conditions Study Section
2012-present	External Advisory Board, Boston Center for Endometriosis (BCE)
2014	External Advisory Committee, Department of Epidemiology, Brown University
2015 (Nov)	NIH-CSR- Chair, Ad-Hoc Study Section to review IRAP Study Section member grants.
2016 (July)	NIH-CSR – ECHO Data Coordinating Center Reviewer
2019 (Feb)	NIH – IRAP – Study Section Reviewer Grant Proposal Reviewer
2019 (June)	NIH-CSR – CKD- Coordinating Center Reviewer

2023 (Nov) National Academies of Sciences, Engineering, and Medicine – Committee on Frameworks for the Consideration of Chronic Debilitating Conditions in Women.

University of Minnesota Committee Assignments

2006	Investigative Advisory Board for the National Children's Study: Ramsey Location being conducted by the University of Minnesota's School of Public Health
2006-2007	Chair, Search Committee for Head, Division of Biostatistics, School of Public Health, University of Minnesota
2007	Co-Chair, Search Committee for Health, Policy and Management Division Head, School of Public Health, University of Minnesota
2008	Search Committee: Chair of Department of Medicine, University of Minnesota Medical School
2008	Review Committee for the 2008 Academic Health Center Translational Research Grants
2009	Search Committee for the Academic Health Center Vice President for Research
1999-2005	Teaching commendations, Committee on Educational Policy, Harvard School of Public Health

Boston University Committee Assignments

2015-Present	Member: BU Clinical and Translational Science Institute's Strategic Executive Committee.
2015-2016	Co-Chair: Biostatistics, Epidemiology, Design and Analysis Center (BEDAC) Planning Committee.
2016-Present	DrPH Admissions and Monitoring Committee
2016	BU-CTSI Pilot Review Committee
2016-2017	Member, University Committee on Academic Program Review of BU
2016-2017	Member, MPH Admissions Committee
2018-2019	Co-Director, MS Degree Program in Epidemiology
2019-Present	Co-Director, MPH Epidemiology/Biostatistics Certificate Program
2020	BU-CTSI Pilot Review Committee

Editorial Service

1988-	Reviewer, Preventive Medicine
1992-	Reviewer, Epidemiology
1992-	Reviewer, Fertility & Sterility
1993-	Reviewer, American Journal of Public Health
1994-	Reviewer, American Journal of Obstetrics and Gynecology
1994-	Reviewer, Obstetrics and Gynecology
1995-	Reviewer, Journal of the National Cancer Institute
1995-	Reviewer, New England Journal of Medicine
1997-	Associate Editor, American Journal of Epidemiology
1998-	Reviewer, Maturitas
2000-	Reviewer, Paediatric & Perinatal Epidemiology
2002-	Reviewer, Journal of Epidemiology and Community Health
2002-	Reviewer, American Journal of Psychiatry
2002-	Reviewer, Archives of General Psychiatry
2003-	Reviewer, Obesity Research
2005-	Journal of Women's Health
2016-	British Journal of Gynecology and Obstetrics (BJOG)
2016-2017	Editor, Special 50 th Anniversary Issue, American Journal of Epidemiology
2018-	Reviewer, Journal of Urology
2018-	Journal of the American Medical Association

Professional Societies:

1981-	Society for Epidemiologic Research, Member
1995-	American Public Health Association, Member
1997-	American College of Epidemiology, Peer-reviewed Fellow
2003-	International Society for the Study of Vulvovaginal Diseases, Peer-reviewed Fellow
2010-2013	Elected, Member-at-Large on Board of Directors of the Society for Epidemiological
	Research
2013-	American Epidemiological Society, elected to membership
2015-2017	President-Elect, President, Past President, Society for Epidemiological Research
2020-	Society for Perinatal Epidemiologic Research

B. Funding Information

Past

1987-1992	Project Director, N.I.H., NICHD/U01, Ultrasound screening in pregnancy
1989-1993	<u>Co-P.I.</u> , N.I.H., NICHD/R01, Epidemiologic and biologic correlates of premature menopause;
1992-1993	<u>Investigator</u> , American Institute for Cancer Research, Galactose consumption and metabolism in familial ovarian cancer
1992-1997	<u>Investigator</u> , N.I.H., NCI/R01 , Ovarian cancer risk and hypergonadotropic hypogonadism

1994-1995	P.I., Milton Fund, Dietary Factors and Hyperemesis Gravidarum
1994-1998	Co-P.I., N.I.H., NICHD/R01, Epidemiologic and biologic predictors of IVF success
1995-2000	P.I., N.I.H., R01-HD50013, Depression and Hypogonadism
1998-2000	<u>Project Director</u> , N.I.H., NIMH/R01, Epidemiology of Ovarian Function in relation to violence
1998-2000	<u>P.I.</u> , Partners Women's Cancer Collaborative Research, Pathogenesis and Prevention of Cervical Cancer
1998-2002	Investigator, N.I.H., R01-HD, Epidemiologic and biologic predictors of IVF success
1998-2003	<u>Investigator</u> , N.I.H., R01-CA, Ovarian cancer risk and hypergonadotropic hypogonadism
1999-2003	<u>P.I.</u> (Subcontract), N.I.H., R01-MH, Relapse of Depression during Pregnancy and Puerperum
2000-2005	P.I., N.I.H., R01-HD, Prevalence and etiological predictors of vulvodynia
2003-2005	<u>P.I.</u> , National Alliance for Research on Schizophrenia and Depression, Postpartum psychosis in women with prior psychiatric hospitalizations
2003-2006	<u>P.I.</u> (Subcontract), N.I.H., R01-MH, Predictors of antenatal and postpartum depression
2003-2008	P.I. (Subcontract), N.I.H., R01-MH, Risk and Predictors of Postpartum Depression
2004-2006	P.I. N.I.H., R01-HD, Risk for new onset of depression in perimenopausal women
2006- 2009	<u>P.I.</u> (Subcontract) N.I.H., R01-HD, Risk for new onset of depression in perimenopausal women
2007-2008	<u>P.I.</u> University of Minnesota, Office of International Programs, Interdisciplinary and Intercultural Public Health and Medical Program in Ecuador
2008-2009	<u>P.I.</u> University of Minnesota, Office of International Programs, Interdisciplinary and Intercultural Public Health and Medical Program in Ecuador
2009-2014	P.I. N.I.H., R01-HD058608-01A1, Immunological Factors and Risk of Vulvodynia
2012-2017	<u>Co-I</u> (Raymond PI) University of Minnesota Building Inter-Disciplinary Careers in Women's Health Program (BIRWCH). Direct Costs: \$462,956 .
2011-2015	Co-I (Blazer PI) NIH-NCATS UL1TR000114, University of Minnesota Clinical and Translational Sciences Award. Direct Costs: \$34,855,966

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2016-2017	P.I. – NIH-NCATS - 1 R13 TR002021-01 – SER Doctoral Student Workshop. Direct Costs: \$18,000
2017-2018	P.I. – NIH-NCATS - 1 R13 TR002021-02 – SER Doctoral Student Workshop. Direct Costs: \$28,000
2017-2018	Co-PI National Vulvodynia Association – Molecular Microbial Markers and Vulvodynia Direct Costs: \$20,000
2017-2018	P.I. – Neonatal exposures and subsequent risk of vulvodynia – A lifecourse analysis for exploring immune dysfunction Direct Costs: \$20,000
2019-2020	P.I. – BUSPH Pilot Grant - Vulvar Pain Assessment Questionnaire (VPAQ) – Feasibility Assessment within a College Student Population. Direct Costs: \$20,000
2020-2021	P.I. – BUSPH Pilot Grant - Boston STRONG (Study to Tackle Risks Of iNcontinence post-Gestation) – Feasibility Assessment Within a Pregnant and Postpartum Population. Direct Costs: \$15,000 (in conjunction with \$15,000 from BMC)
Current	
2020-2025	P.I. NIH 1-U24 DK106786-06, Prevention of Lower Urinary Tract Symptoms in
2020-2023	Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC) Direct Costs: \$2,000,000
2017-2022	Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC)
	Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC) Direct Costs: \$2,000,000 PI-Subcontract (Robinson PI) NIH-NICHD 1-R01 HD - Sexual pain and genital cutting among Somali women in Minnesota
2017-2022	Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC) Direct Costs: \$2,000,000 PI-Subcontract (Robinson PI) NIH-NICHD 1-R01 HD - Sexual pain and genital cutting among Somali women in Minnesota Direct Costs: \$46,812 P.I. – NIH-R21 HD099533-01: Risk of vulvodynia due to immune-related health events throughout the life course
2017-2022 2020-2022	Women: Bladder Health Scientific and Data Coordinating Center (PLUS-SDCC) Direct Costs: \$2,000,000 PI-Subcontract (Robinson PI) NIH-NICHD 1-R01 HD - Sexual pain and genital cutting among Somali women in Minnesota Direct Costs: \$46,812 P.I. – NIH-R21 HD099533-01: Risk of vulvodynia due to immune-related health events throughout the life course

Te

Year	Class Title	# of Students
1990	Resident and Fellow Independent Mentorship	5

1000 2005	HCDH EDI260 Enidomials aig Descende in Obstatuies and Crunasals are	20
1999-2005	HSPH-EPI269-Epidemiologic Research in Obstetrics and Gynecology	20
2001-2005	HSPH-EPI270-Advanced Topics in Reproductive Epidemiology	8
2003-2005	HSPH-EPI287-Female Reproductive Morbidity Associated With	15
	Trauma and Stress	
2003-2005	Epidemiologic Research Methods for Ob/Gyn Residents and Fellows	20
Spr 2005-2011	PubH 8377 Seminar: Chronic Disease and Behavioral Epidemiology	10-15
Fall 2006-2011	PubH 6348 Writing Research Grants	10-15
Winter 2005-2011	Winter Short Course, Harvard School of Public Health: Bridging Psychiatri	c
	Morbidity and Adverse Reproductive Outcomes.	
Summer 2006	PubH 6600 Women's Mental Health and Reproductive Outcomes	
Fall 2012-2013	PubH 6341 Epidemiologic Methods I	60
Spring 2017	EP 813 Intermediate Epidemiology	25
Fall 2017	EP 722 Data Collection Methods for Epidemiologic Research	16
Summer 2018	EP 722 Data Collection Methods for Epidemiologic Research	9
Fall 2018	EP 722 Data Collection Methods for Epidemiologic Research	18
Spring 2019	EP 817 Guided Epidemiologic Research	8
Summer 2019	EP 722 Data Collection Methods for Epidemiologic Research	10
Fall 2019	EP 722 Data Collection Methods for Epidemiologic Research	20
Spring 2020	EP 817 Guided Epidemiologic Research	12
Summer 2020	EP 722 Data Collection Methods for Epidemiologic Research	10
Fall 2020	EP 816 Guided Epidemiologic Research	9
Fall 2020	EP 722 Data Collection Methods for Epidemiologic Research	24
Fall 2020	Development of New Asynchronous Data Collection Methods Course	
Spring 2021	PH 880 Guided Epidemiologic Research (Continuation)	
Spring 2021	EP 722 Data Collection Methods for Epidemiologic Research (Asynchrono	us)
Spring 2022	EP 722 Data Collection Methods for Epidemiologic Research (Asynchrono	
Fall 2022	EP 816 Guided Epidemiologic Research	11

Advisees	Trainees -	Research
AUVISEES	TIAIIIEES =	NESEALCH

Training	Name	Current Position
Duration		
1992-1993	Carolyn Zelop, M.D.	Ultrasonographer, Chicago Lying-In Hospital
1995-1997	Sarah Feldman, M.D., MPH	Assistant Professor
1996-1997	Isaac Glatstein, M.D.	Reproductive Endocrinologist, Private Practice
1996-1999	Lisa B. Signorello, Ph.D.	Senior Epidemiologist, International Epidemiology
		Association, Associate Professor, Harvard SPH
1998-1999	Ramin Mirhashemi, M.D.	Gyn Oncologist, University of Miami
1998-2003	Lauren A. Wise, Sc.D.	Associate Professor, Slone Epidemiology Center,
		Boston University
2000-2001	Les Reti, M.D., MPH	Gynecologic Oncologist, Private Practice
2000-2003	Beth Bazydlo, MS	Research Associate, Abt Associates
2001-2003	Hazel Bogan, MS	Research Associate, University of Wisconsin,
		Madison
2001-2003	Hadine Joffe, M.D., MS	Assistant Professor, Perinatal Psychiatry, Mass
		General Hospital
2001-2004	Geetanjali Datta, MS	Research Associate, Slone Epidemiology Unit,
		Boston University

2001-2004	Sara Cherkerzian, Sc.D.	Postdoctoral Fellow, Psychiatric Epidemiology
2003-2005	Elizabeth Reed, MS	Doctoral Student, HSPH
2003-2005	Michele Hacker, MS	Doctoral Student, HSPH
2004-2005	Haim A. Abenhaim, M.D.	Resident, Ob/Gyn, McGill University
2004-2005	Ghasi Phillips, MS	Doctoral Student, HSPH
2006-2008	Bassim Birkland, MS	Epidemiology, MPH
2006-2009	Erin Galegher, MPH	Epidemiology, MPH
2006-2009	Trista Olmstead,	Maternal & Child Health, MPH
2007-2009	Jennifer (Springsteen) Frictor	Maternal & Child Health, MPH
2007-2009	Katy Backes Kozhimannil	Assistant Professor, HPM, UMN
2008-2010	Roma Patel	Epidemiology, MPH
2009-current	t Maheruh Khandker	Epidemiology, PhD
2010-2014	Laura Anderson	Maternal & Child Health, MPH
2011-2014	Christine Kunitz	Epidemiology, PhD
2011-2014	Alyssa Herreid	Epidemiology, MPH
2016-	Miriam Haviland	Epidemiology, PhD
2017-	Sam Golenbach	Epidemiology MS
2017-	Ying Sun	Epidemiology MPH
2017-	Lisa Bedford	Epidemiology MS
2018-	Sydney Willis	Epidemiology PhD
2019-	Julia C Bond	Epidemiology PhD
2020-2022	Chad M Coleman	Epidemiology PhD
2022-	Amy Zheng	Epidemiology PhD

Invited Presentations:

1981	Telephone Interviewing Methods, National Institutes of Health
1982	Assessing Occupational Exposures, National Institute for Occupational Safety and Health
1983	Telephone Household Screening and Interviewing, Fred Hutchinson Cancer Research Center
1984	A Comparison of Computer Assisted and Hard Copy Telephone Interviewing, University of Washington, Seattle, WA
1986	Health Services Research Methods Course, University of Washington, Seattle, WA
1987	The Influence of Perineal Exposure to Talc on the Risk of Borderline Ovarian Tumors, Society for Epidemiologic Research
1987	Epidemiology of Borderline Ovarian Tumors, University of Washington
1990	The Influence of Lactose Consumption on the Association of Oral Contraceptives and Ovarian Cancer Risk, Fred Hutchinson Cancer Research Center

1990	The Influence of Lactose Consumption on the Association of Oral Contraceptives and Ovarian Cancer Risk, University of Minnesota
1992	Depression and Hypogonadism, Society for Epidemiologic Research Annual Meeting
1993	Talc: Consumer Uses and Health Perspectives, FDA Workshop, NIH
1994	The Relationship Between Depression and Ovarian Function: An Epidemiological Perspective, Dartmouth Medical School
1994	The Relationship Between Depression and Ovarian Function: An Epidemiological Perspective, Yale University School of Public Health
1994	Physical Activity and Risk of Early Menopause, Society for Epidemiologic Research Annual Meeting
1995	Self-reported use of antidepressants and benzodiazepine tranquilizers and risk of epithelial ovarian cancer, American Association for Cancer Research Annual Meeting
1996	Assessing major depression and ovarian function: Results from the Harvard Study of Moods and Cycles, American Psychiatric Association Annual Meeting
1996	Harvard Study of Moods and Cycles: Depression and factors related to menstruation and ovulation, Society for Epidemiologic Research Annual Meeting
1996	Reproductive correlates of chronic fatigue syndrome, American Public Health Association Annual Meeting
1997	Use of psychotropic medication and risk of malignant epithelial ovarian cancer, American College of Epidemiology Annual Meeting
1997	Integration of biological, clinical, and epidemiological data in the assessment of ovarian cancer and other disorders in women, Dartmouth Medical School
1997	Influence of major depression on reproductive function: Preliminary results from the Harvard Study of Moods and Cycles, Department of Family and Community Medicine, Brown Medical School
1998	Epidemiology of Ovarian Cancer, Dana Farber Cancer Institute
1999	Reproductive endocrine correlates of major depression: Results from the Harvard Study of Moods and Cycles, International Epidemiology Association
2000	The influence of depression on ovarian function: Results from the Harvard Study of Moods and Cycles, Women's Health 2000 Conference
2001	Cervical Cancer Etiology and HPV Infection, CDC

2001	Prevalence and Predictors of Chronic Lower Genital Tract Discomfort, Female Sexual Function Forum
2001	Major depression and the risk of an early transition to the menopause: Results from the Harvard Study of Moods and Cycles, National Institutes of Health
2002	Depression and the Transition to the Perimenopause: The Harvard Study of Moods and Cycles, American Psychiatric Association
2002	Depression and Perimenopause: Results from the Harvard Study of Moods and Cycles, Oxford University, Institute of Health Sciences
2002	Chronic Unexplained Vulvar Pain: Is vulvar dysesthesia a silent epidemic?, Oxford University, Department of Ob/Gyn
2002	Prevalence and Etiologic Predictors of Chronic Lower Genital Disorders: Are we facing a silent epidemic? NICHD, National Institutes of Health
2003	Depression and Risk of Early Perimenopause, Dept of Medical Epidemiology, Karolinska Institutet, Stockholm, Sweden
2003	NIH Study Prevalence and Etiology of Vulvodynia, Dandryd Hospital, Karolinska Institutet, Stockholm, Sweden
2003	NIH Conference on Vulvodynia - Toward Understanding a Pain Syndrome, National Institutes of Health
2004	Vulvodynia and sexual pain disorders in women: A state of the art consensus conference, National Institutes of Health
2004	Prevalence and Etiological Predictors of Vulvodynia, Society for Sex Therapy and Research, Annual Meeting, Washington DC
2004	Prevalence and Etiological Predictors of Vulvodynia, American Medical Women's Association Annual Meeting
2004	Depression and Perimenopause: The Harvard Study of Moods and Cycles, Department of Epidemiology, McGill University
2006	Understanding The Bridge Between Reproductive Morbidity and Psychiatric Disorders. 2006 Congress of Epidemiology Meeting
2006	Influence of Mood Disorders on The Early Onset of Menopause. Obstetrics Gynecology Grand Rounds, University of Minnesota Medical School
2007	Assessment of Clinical and Epidemiological Markers Related to Altered Immuno-Inflammatory Response Among Women With and Without Vulvodynia. International Society for the Study of Vulvovaginal Disease Word Congress, Alaska, July 28-August 4, 2007

2007	Global Women's Health Update: An epidemiological perspective. Obstetrics, Gynecology, & Women's Health: 38 th Annual Autumn Seminar, October 1-2, 2007, Minneapolis, Minnesota
2008	Harvard Study of Moods and Cycles. Department of OBGYN Grand Rounds, Iceland Women's Hospital, Reykjavik, Iceland
2008	Etiology of Vulvodynia. Iceland Society of Obstetrics and Gynecology, Reykjavik, Iceland
2008	New Insight Into The Etiology of Vulvodynia. Guest Speaker: Resident and Fellow Research Day, Minneapolis, Minnesota, May 12, 2008
2008	NIH Study Prevalence And Etiology of Vulvodynia, Dandryd Hospital, Karolinska Institute, Stockholm, Sweden
2008	Menopause & Depression: Is There a Link? North American Menopause Society National Meeting, Orlando, Florida (Sept)
2008	Exploring the Etiology of Vulvodynia: An Unexplained Vulvar Pain Syndrome. University of Washington, Seattle, Washington (Nov)
2010	Probing the Pathogenesis of Unexplained Vulvar Pain. Lecture at the University of Vermont, Burlington Vermont (January)
2010	Probing the Pathogenesis of Unexplained Vulvar Pain. OB/GYN Grand Rounds, Mayo Clinic, Rochester, Minnesota (April)
2010	Probing the Pathogenesis of Unexplained Vulvar Pain. University of Minnesota, School of Public Health, Mayo Lecture (October)
2012	Geographic variation in new onset depression during the menopausal transition: can we believe our data? New Findings from the Harvard Study of Moods and Cycles. Columbia University (March)
2012	Disparate rates of new onset depression during the menopausal transition: Biased or real? 9th Annual Women's Health Research Conference, Minneapolis, MN (Sept)
2013	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Environmental and Psychiatric Immunoinflammatory Hypotheses. Royal Women's Hospital, Melbourne, Australia (January)
2013	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Environmental and Psychiatric Immunoinflammatory Hypotheses. James Cook University School of Public Health (February)
2013	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Environmental and Psychiatric Immunoinflammatory Hypotheses. NICHD Program in Reproductive and Adult Endocrinology Research Conference. (April)

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2014	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Exploring Biopsychosocial Hypotheses. Harvard School of Public Health Invited Seminar Series (October)
2014	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Exploring Biopsychosocial Hypotheses. Medical University of South Carolina Seminar (November)
2015	The role of trauma and psychiatric morbidity in women's gynecological disorders. Harvard T.H. Chan School of Public Health, Psychiatric Epidemiology Colloquium. (December)
2016	Recurrent Yeast Infections and Vulvodynia: Can we believe associations based on self-reported data? American Epidemiological Society (March)
2016	Vulvodynia: Prevalent, Debilitating, Poorly Understood; Exploring Biopsychosocial Hypotheses. University of Massachusetts School of Public Health Invited Seminar (April)
2017	The Prevention of Lower Urinary Tract Symptoms (PLUS) Research Consortium: <i>A transdisciplinary approach toward promoting bladder health and preventing lower urinary tract symptoms in women across the life course.</i> University of Iceland, Department of Public Health Sciences (September)
2018	The association of vulvodynia and urological urgency and frequency: Findings from a community-based study. The International Continence Society Annual Meeting. Philadelphia, August, 2018.
2019	Vaginal microbiome and vulvodynia. International Society for the Study of Vulvovaginal Diseases (ISSVD World Congress, Turin, Italy. (September)
2020	Lower Urinary Tract Symptoms at Age 19: Associations with Sexual Activities Prior to Age 17. American Urogynecology Society (September)
2020	Invited Symposium: Vulvodynia: Prevalent; Debilitating; An Epidemiologic Challenge. Society for Perinatal Epidemiologic Research (December)
2022	Invited Symposium: Vulvodynia: Prevalent; Debilitating; An Epidemiologic Challenge. International Society for the Study of Vulvovaginal Diseases (ISSVD World Congress,

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Publications

Reviews/Chapters/Editorials

Dublin, Ireland. (June)

Case 3:16-md-02738-MAS-RLS

- 1. **Harlow BL**, Hartge PA. A review of perineal talc exposure and risk of ovarian cancer. Regul Toxicol Pharmacol. 1995;21(2):254-60.
- 2. **Harlow BL**, Abraham ME. Depression in Menopause. In: Seifer DB, Kennard EA, editors. Menopause: Endocrinology and Management. Totowa (NJ): The Humana Press, Inc; 1999. p. 111-124.

- 3. Gyllstrom ME, Schreiner PJ, **Harlow BL**. Pereimenopause and depression: strength of association, causal mechanisms and treatment recommendations. Chapter 8 in: Best Practice & Research Clinical Obstetrics and Gynaecology, Vol 21, No. 2, pp. 275-292, 2007.
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- 8. **Harlow BL,** Szklo M. Editorial: The 50th Anniversary of the Society for Epidemiologic Research. Am J Epidemiol 2017;185:988-989.

Original Articles

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EXHIBIT B Materials Considered

MATERIALS CONSIDERED

Document 33130-54

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EXHIBIT C Deposition Or Trial Testimony Provided In Last Four Years

Depositions (last four years)

U.S. District Court of New Jersey, *In re: Johnson & Johnson Talcum Powder Product Marketing, Sales Practices and Products Liability Litigation*, MDL No. 3:16-md-2738-MAS-RL: April 9, 2024.

Trial Testimony

I have not provided trial testimony.